

# Physical & Earth Science

SCHOOLMASTERS TEACHING AIDS

745 STATE CIRCLE

ANN ARBOR, MICHIGAN 48104

## ENVIRONMENTAL POLLUTION TESTS

From **\$9.95**



**New  
Low  
Price!**

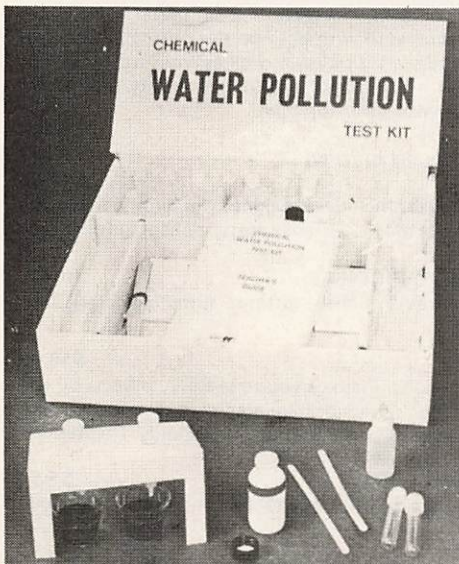


### 03921-2 ENVIRONMENTAL POLLUTION TEST SET. . . . \$9.95

This new 34-piece Environmental Test Set includes all the tools and scientific material needed to perform hundreds of hours of experiments to detect major pollutants in the air, the water, and on land. Kit includes: 44-page manual, biodegradable paper, biodegradable plastic, activated charcoal, a smoke chart, carbon monoxide indicator and ecology flag and much more.

### 04006-2 WATER INVESTIGATIONS. . . . . \$37.50

This program is a highly relevant exploration into the nature and uses of water and causes and effects of major types of pollutants. 3 filmstrips and cassettes are included to supplement and motivate student's interest in ecology. Each experiment is outlined in "1-2-3" procedure. Teacher's manual provides all needed references.



## WATER POLLUTION TEST KIT

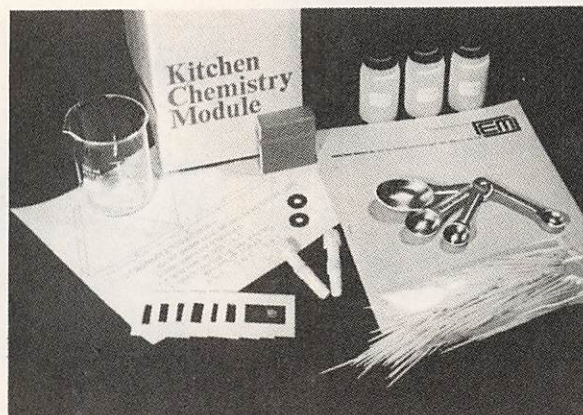
**\$32<sup>00</sup>**

### 03794-2 CHEMICAL WATER POLLUTION TEST KIT . . . . . \$32.00

Allows ten groups of students to test ten different kinds of water for chemical pollutants. Sulfates and sulfides, surfactants and oils, chlorines and chlorides and detergent builders are identified by color change or precipitants. The water is then passed through ion exchanges columns, where resins remove the pollutants. Students test water before and after ion exchange. A quantity of polluted water and teacher's manual are included with kit.

### 03867-2 BIOLOGICAL WATER POLLUTION TEST KIT. . . . . \$32.00

Kit allows 10 groups of students to test 10 different kinds of water for biological pollutants. Students isolate bacteria by running the test water through sand-filled columns, allowing them to raise cultures in Petri dishes. Bacteria may be examined under a microscope and stained for identification. Teacher's Manual, instructions and causes of major bacterial pollution and their effects. Water and stains are NOT included with kit.



## Kitchen Chemistry \$21<sup>95</sup>

### 98361-2 KITCHEN CHEMISTRY. . . . . \$21.95

The purpose of this module is to discuss and illustrate the properties of solutions and the fundamentals of organic chemistry as they relate to candy making. Such terms as supersaturated, tetrahedrons, carbohydrates, crystallization, activation energy and many others will be learned in an enjoyable, educational way. Included in the kit are: Teacher's Manual; Six 35mm projector slides and the apparatus necessary to perform a series of nine experiments which are designed to further enhance the learning experience.



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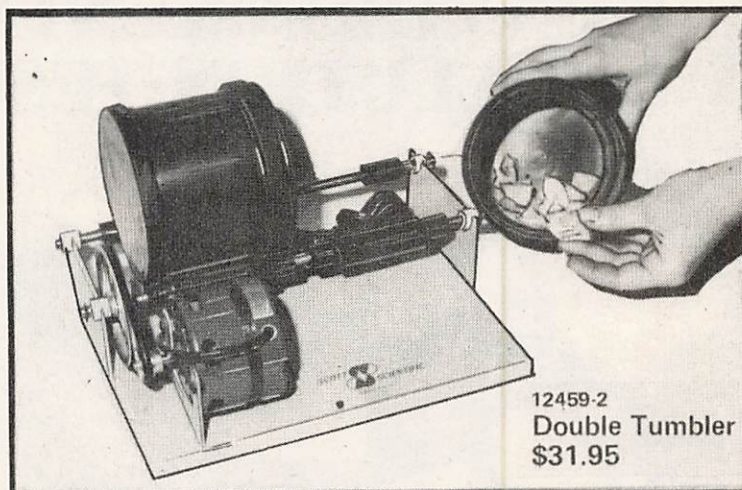
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Earth Lab 5. . \$22.95



12459-2  
Double Tumbler  
\$31.95

## Geology, Books, Plasticast and Rock Tumbling FROM \$4.95 COMPLETE KIT



12424-2  
Tumble Stones  
\$17.50



46189-2  
Preserving  
Animals  
\$4.95



12947-2  
Plasticast  
\$10.95

### ROCK TUMBLING

12459-2 DOUBLE TUMBLER. . . . . \$31.95

Two completely molded rubber barrels for quiet, long lasting operation. Easy to open-easy loading, completely washable. Each barrel has a 3 Lb. capacity, a machine may be operated with both barrels or singly. One year guarantee on all parts except belts. Will polish as well as any tumbler on the market at any price, requires no skill and very little attention. Complete tumbling instructions packed with each tumbler.

12467-2 GRIT PACK. . . . . \$3.95  
Two charges of each grit for double tumbler.

12424-2 TUMBLE STONES. . . . . \$18.95  
Produces gems of superior polish. Includes machine, tumbling barrel, protective rubber liner, agate assortment, abrasive, grits, polish, settings, adhesives and instructions.

12432-2 TUMBLE STONES REFILL KIT . . . . . \$5.50  
Includes agate assortment, abrasive, polish, settings, tumbling barrel, top.

### PLASTICAST

12947-2 PLASTICAST. . . . . \$10.95  
Designed to challenge young adults. Enables you to preserve objects by embedding them in clear plastic block. Includes 2 pints liquid plastic and hardener, sanding and polishing material, and 5 interesting molds. Creates useful items and gifts in a variety of shapes.

12955-2 PLASTICAST REFILL KIT. . . . . \$5.50  
Includes two pints of liquid plastic casting resin, one container of hardener.

### PRESERVING ANIMALS BOOK

46189-2 HOW TO PRESERVE ANIMAL AND OTHER SPECIMENS IN CLEAR PLASTIC. . . . . \$4.95

By Cleo Harden. . . 64 pages, elaborately illustrated with 24 plates. . . Detailed, clear instructions on new and simple methods for beautiful preservation.

### EARTH LAB SET

03603-2 EARTH LAB 5 . . . . . \$22.95

5-science action lab for the young scientist to explore the world around us. ECOLOGY: test for pollutants, etc. . . METEOROLOGY: predict weather with the psychrometer, wind vane, barometer, cloud chart. . . GEOLOGY: geologist's hammer, ID chart. . . BIOLOGY: 75 x microscope, living specimens, slides. . . CHEMISTRY: chemicals, equipment for space-age projects.